

<b>2013 Prescriptive Certificate of Compliance: Fenestration</b>		<b>CF1R-ALT-Fenestration</b>
Project Address:	Climate Zone: <b>12</b>	Permit #

Enforcement Agency:	Date:
Building Type <input type="checkbox"/> Single Family <input type="checkbox"/> Multi Family	Circle the Front Orientation: N, E, S, W, or degrees _____
Conditioned Floor Area (CFA): _____	

<b>FENESTRATION PROPOSED AREAS</b>					
<input type="checkbox"/> <b>Fenestration Area Replacement</b> – Replacement windows shall meet the U-Factor and SHGC Value requirements of Component Package A in Table 150.1-A (see reverse side). <u>Exceptions:</u> 1) Up to 75 ft <sup>2</sup> of replaced vertical window area may have max. U-Factor / SHGC equal to 0.40 / 0.35, respectively. 2) Any replaced skylight(s) may have max. U-Factor / SHGC equal to 0.55 / 0.30, respectively.					
<input type="checkbox"/> <b>Fenestration Area Increases</b> – Newly installed windows shall meet the U-Factor and SHGC Values and the Fenestration Area requirements of Package A in Table 150.1-A (see reverse side). <u>Exceptions:</u> 1) If ≤ 75 ft <sup>2</sup> new vertical window area is added, only the Package A max. U-Factor & SHGC must be met. 2) If ≤ 16 ft <sup>2</sup> new skylight area is added, only max. U-Factor / SHGC of 0.55 / 0.30 must be met. 3) If ≤ 3 ft <sup>2</sup> new vertical window area is added to a door OR added as a tubular skylight with dual-pane diffusers, no U-Factor or SHGC must be met.					
Fenestration Type and Frame (Window, Glass Door or Skylight)	Orientation (North, East, South, West)	Proposed Area <sup>1</sup> (ft <sup>2</sup> )	Maximum U-factor <sup>2, 3</sup>	Maximum SHGC <sup>2, 3, 4</sup>	NFRC or Default Value <sup>5</sup>

1. Fenestration area is the area of total glazed product (i.e. glass plus frame). Exception: When a door is less than 50% glass, the fenestration area may be the glass area plus a "2 inch frame" around the glass.  
 2. Enter value from Component Package A Requirements in Table 150.1-A (see reverse side).  
 3. Actual fenestration products installed and as indicated in CF2R-ENV-01-E Form shall be equivalent to or have a lower U-factor and/or a lower SHGC value than that specified on this CF1R-ALT-Fenestration Form.  
 4. Submit a completed CF1R-ENV-03-E Form if a qualifying SHGC is calculated with exterior shading.  
 5. If applicable at this stage enter "NFRC" for NFRC Certified windows or are CEC "Default" values found in Tables 110.6-A or B.

<b>ADDED FENESTRATION ALLOWABLE AREAS (Complete if more than 75 ft<sup>2</sup> of fenestration is added)</b>						
	A	B	C	D	E	F
	Existing Unmodified Fenestration Area (ft <sup>2</sup> )	CFA <sup>1</sup> of Entire Dwelling	Allowed % of CFA	Total Fenestration Area Allowed (B x C)		Proposed Final Fenestration Area <sup>3</sup>
Total Fenestration Area – All Elevations and Roof			.20		≥	
West-Facing Fenestration Area <sup>2</sup> (CZ's 2, 4 & 6 -16)			.05		≥	

1. "CFA" is Conditioned Floor Area; this will be the same number for all of Column B.  
 2. West-Facing Fenestration Area includes windows facing between 45° N of W to 44° S of W, west-sloping skylights and ANY skylights with a pitch less than 1:12.  
 3. To meet compliance, the Proposed Final Fenestration Area (Column F) must be less than or equal to the Total Fenestration Area Allowed (Column D) for BOTH the Total Fenestration and West-Facing Fenestration Areas.

**NOTE:** The installing contractor shall complete and make available form(s) **CF2R-ENV-01-E, the NFRC Labels, and CF1R-ENV-02-E and/or CF1R-ENV-03-E as Applicable** for final inspection.

<b>Declaration Statement</b>	
<ul style="list-style-type: none"> <li>I certify under penalty of perjury, under the laws of the State of California, the information provided on this form is accurate and complete.</li> <li>I certify that the energy features and performance specifications identified on this Certificate of Compliance conform to the requirements of Title 24, Parts 1 and 6 of the California Code of Regulations.</li> </ul>	
Name:	Signature:
Company:	Date:
Address:	License:
City/State/Zip:	Phone:

**For assistance or questions regarding the Energy Standards, contact the Energy Hotline at: 1-800-772-3300.**  
**The City of Fairfield requires a pre-inspection be conducted prior to the replacement of any windows.**

*In addition, please note that additions or deletions of any glazed areas will require a fully dimensioned floor plan be submitted at the time of permitting to verify that the required natural light, ventilation, and emergency egress standards are met.*

**2013 Building Energy Efficiency Standards**  
**TABLE 150.1-A COMPONENT PACKAGE A**

	Climate Zone	12
Fenestration	Maximum U-Factor	0.32
	Maximum Solar Heat Gain Coefficient (SHGC)	0.25
	Maximum Total Area	20%
	Maximum West Facing Area	5%

*The window manufacturer's sticker, which lists the U-Factor and Solar Heat Gain Coefficient must be left intact on the window for the final inspection.*

In addition to the 2013 Building Energy Efficiency Standards noted above, below are the minimum building code requirements for bedroom window installations as per the 2013 California Residential Code:

**Section R310.1.1 Minimum Size** – Emergency escape and rescue openings shall have a minimum net clear opening of 5.7 square feet.

**Exception:** The minimum net clear opening for an emergency escape and rescue grade-floor opening shall be 5.0 square feet.

**Section R310.1.2 Minimum Height** – The minimum net clear opening height dimension shall be 24 inches.

**Section R310.1.3 Minimum Width** – The minimum net clear opening width dimension shall be 20 inches.

**Section R310.1 Maximum Height from Floor** – The bottom of the clear opening for emergency escape and rescue openings shall not be greater than 44 inches measured from the finished floor.

**Section R310.1.4 Operation Constraints** – Emergency escape and rescue openings and any exit doors shall be maintained free of any obstructions other than those allowed by this section and shall be operational from the inside of the room. Bars, grilles, grates or similar devices are permitted to be placed over emergency escape and rescue openings provided the minimum net clear opening sizes comply with Sections R310.1.1 to R310.1.3, and such devices shall be releasable or removable from the inside without the use of a key, tool, or special knowledge or effort or force greater than that which is required for normal operation of the escape and rescue opening. Where such bars, grilles, grates or similar devices are installed, smoke alarms shall be installed in accordance with Section 907.2.10 regardless of the valuation of the alteration. The release mechanism shall be maintained at all times.

**Section R308.4 Hazardous Locations** – Tempered glass may be required where glazing is installed in the following locations: *(Please contact the City of Fairfield for the requirements and exceptions.)*

- Adjacent to a door
- When the bottom edge is less than 18" above the floor
- In enclosures for or walls facing hot tubs, whirlpools, saunas, steam rooms, bathtubs and showers
- Adjacent to swimming pools, hot tubs and spas
- Adjacent to stairways, landings and ramps

*\*For the installation of retrofit windows, where the original framing is not being removed or modified, the City of Fairfield does not require that the existing opening or sill height be modified to meet current egress requirements. Minimum required openable width, height and area do still apply. Should the framing be removed or modified, all current codes shall apply. Replacement windows shall not reduce existing egress openings as listed.*